Write your name, centre number and candidate number in the boxes below.

Surname	Other names

Centre number | | | | | |

Candidate number | | | | |

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Units of measure

Time allowed: 20 minutes

Subject code **0580**

Mathematics

Questions from Paper 1, Paper 2, Paper 3 and Paper 4

You must have: a ruler marked in centimetres and millimetres, a protractor, compasses, a pen, an HB pencil and an eraser.
You may use a calculator.

Total marks

/ 17

Instructions

- Answer every question in the space provided on this paper.
- Write in black or dark blue ink. Pencil may be used for diagrams and graphs.
- Fill in your name, centre number and candidate number above.
- Show your working: a correct method can earn marks even if the answer is wrong.
- Unless a question says otherwise, give answers that are not exact to 3 significant figures, and angles in degrees to 1 decimal place.

Information

- This paper has 10 questions worth 17 marks in total.
- The marks for each question or part are shown in brackets, for example [3].

Advice

- Read every question through once before you write anything.
- Use the marks in brackets to judge how long to spend on each part.
- If you finish early, go back and check your working.

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Turn over ►

Print at 100% (Actual size) so diagrams keep their real measurements.

1 Change 6450 cm into metres.

Answer ..... m [1]

Converting between units Click for more variations

1		64.5[0]	**1**	

2 Convert 3 m into mm.

..... mm [1]

Converting between units Click for more variations

2	3000	**1**	

3 Convert 8 litres into cm^3.

..... cm^3 [1]

Converting between units Click for more variations

3	8000	**1**	

4 Change 62 000 millimetres into kilometres.

..... km [1]

Converting between units Click for more variations

4	0.062	**1**	

5 Change 680 000 cm^3 into m^3.

..... m^3 [1]

Area and volume units Click for more variations

5	[0].68	**1**	

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6 Complete the statements.

3.5 kg = ... g

1.4 m^2 = ... cm^2 [2]

Converting between units Click for more variations

6	3500 14 000	**2**	**B1** for each

7 Complete each statement.

(a) 0.0000047 m^2 = ... cm^2.

[1]

(b) 8500 cm^3 = ... litres.

[1]

(a) Area and volume units (b) Converting between units Click for more variations

7(a)	0.047	**1**	
7(b)	8.5	**1**	

8 **(a)** Convert 780 cm^2 into m^2.

..... m^2 [1]

(b) Convert 0.037 m^3 into cm^3.

..... cm^3 [1]

(a) Area and volume units (b) Converting between units Click for more variations

8(a)	0.078[0] oe	**1**	
8(b)	37 000	**1**	

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9 **(a)** A drinking glass contains 55 cl of water.
Write 55 cl in litres.

Answer(a) ..... litres [1]

(b) The mass of grain in a sack is 35 kg.
The grain is divided equally into 140 bags.

Calculate the mass of grain in each bag.
Give your answer in grams.

Answer(b) ..... g [2]

(a) Converting between units (b) Converting between units Click for more variations

9 (a)	(0).55	**1**	
(b)	250	**2**	**M1** for 35 000 ÷ 140 or SC1 for figs 25

10 A water tank in the shape of a cuboid has length 1.5 metres and width 1 metre.
The water in the tank is 60 centimetres deep.

Calculate the number of litres of water in the tank.

..... litres [3]

Volume of cuboids Click for more variations

10	900	**3**	**M2** for $\frac{150\times100\times60}{1000}$ oe or **M1** for 150 × 100 × 60 or 1.5 [× 1] × 0.6 or **B1** for figs 9

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